

TFM-1990

Short Circuit Isolator Module for Addressable Systems

Mounting and User Manual

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IMPORTANT WARNINGS

GENERAL

- ✓ Before using the device read this manual carefully. Keep it just in case of necessity.
- ✓ Abide all the rules and precautions stated in the manual. Follow all the instructions one by one.
- ✓ Keep the devices away from water and moisture

CONDITIONS

Do not energize the device above or below the given limits of extreme hot or cold conditions,

Temperature: Between -10°C and $+85^{\circ}\text{C}$

Relative Moisture: Non-condensing Between %0 and %95

SERVICE

Do not try to fix the device on your own. Removal of cover may end up with electricity shock.

In case of any defect or malfunction, contact with your dealer or with authorized service. All the technical interventions have to be done by technicians of company.

Warning: Do not attempt to remove the electronic board from its plastic case. The electronic board is closed for your safety. Users should avoid from

MALFUNCTIONS THAT REQUIRE TECHNICAL SERVICE

In case of any malfunction or below conditions contact with your authorized service,

- ✓ When Mains cable or the plug is harmed,
- ✓ Contact of device with a fluid,
- ✓ Exposure of rain and water,
- ✓ Fell down of device or harmed outer cover,
- ✓ Serious performance fall on the device,
- ✓ Depending on the instructions stated in manual, if your device not working properly, further usage or possible wrong usage may cause other malfunctions. Contact with your authorized service in such terms.

MAINTENANCE ON YOUR OWN

Do not try to fix the device on your own. Removal of cover may end up with electricity shock.

In case of any defect or malfunction, contact with your dealer or with authorized service. All the technical interventions have to be done by technicians of company. Device must be cleaned up with a dry fabric. No-chemicals are allowed for cleaning

TRANSPORTATION

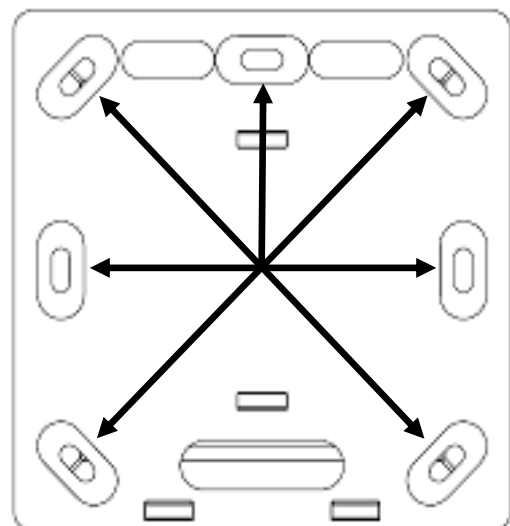
Device must be carefully transported avoiding all physical bump, stroke and possible fluid entry. Malfunctions that caused by improper transportation is not under warranty.

HUMAN AND NATURE CONDITION

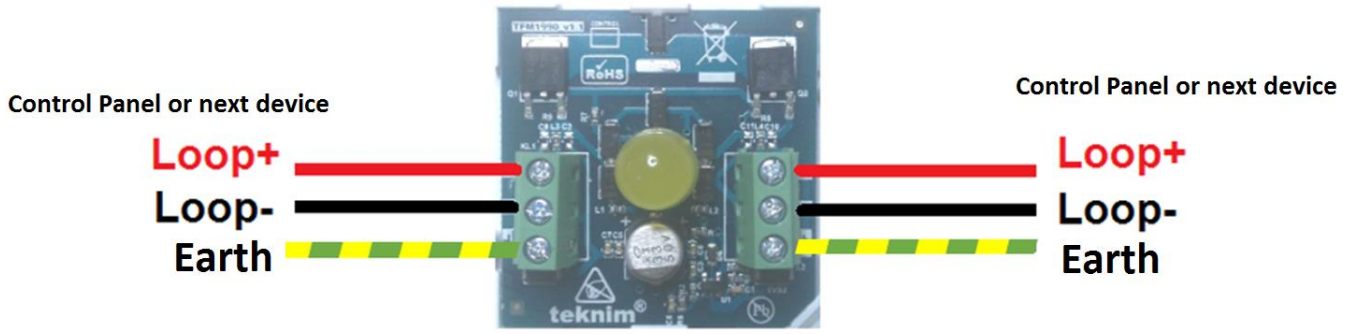
This device contains no chemical or biological elements that could harm human condition

MOUNTING AND CONNECTION

1. Use at least 3 cross-drilled holes in the 7 mounting screw holes indicated by the arrows as seen from the base of the remote indicator.



2. After the plastic base is mounted, connect the electronic card as shown in the following picture. Since both sides of the card have the same feature, there is no loop input / output direction.



TEST

1. Supply from any side (32VDC) or addressed loop must be entered, the other end must be shorted with a switch, no overcurrent or collapse of the line.
2. The same test will be applied by feeding from the other side.

SPECIFICATIONS

Model	Environmental Conditions	LED indicator	Detection Time	Working Supply	Transmission Resistance	Quiescent Current	Short Circuit Current	Max Used Cable Cut	Materials / Dimensions / Weight / IP Rating
TFM-1990 Short Circuit Isolator Module	Operating temperature -10°C ~ +85°C Humidity Non-condensing 0 ~ 90% RH	Yellow Color Ø10mm	400ns.	10-32VDC	250mΩ	800µA @32V	4 mA @32V	2.5mm ²	Materials: White ABS Dimensions (H x W x D) 85mm x 85mm x 21mm 47,5 gr IP 30

MANUFACTURER

Bilgi Elektronik San. ve Tic. A.Ş.

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* 2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info.